

**What is Claimed is:**

1. A tray-constrained mechanism of optical disk drive, comprising:

a shell including a upper case and a bottom case;

a tray slidable between the upper case and the bottom case along a channel rail;

5 a face panel located on an outer side of the tray; and

a tray frame extension located between the tray and the face panel having a retaining section;

wherein the tray frame extension has a tray constrained means which includes a resilient part, the resilient part having one end fastening to the retaining section, an  
10 energy storing section bucking on a fulcrum located on a face panel frame, and a bucking end extending outside a carved out opening formed on the tray frame extension to elastically press a lateral wall of a protrusion part of the bottom case to cushion and reduce vibration.

2. The tray-constrained mechanism of claim 1, wherein the resilient part is formed from  
15 a cylindrical material.

3. The tray-constrained mechanism of claim 1, wherein the resilient part is formed from a sheet material.